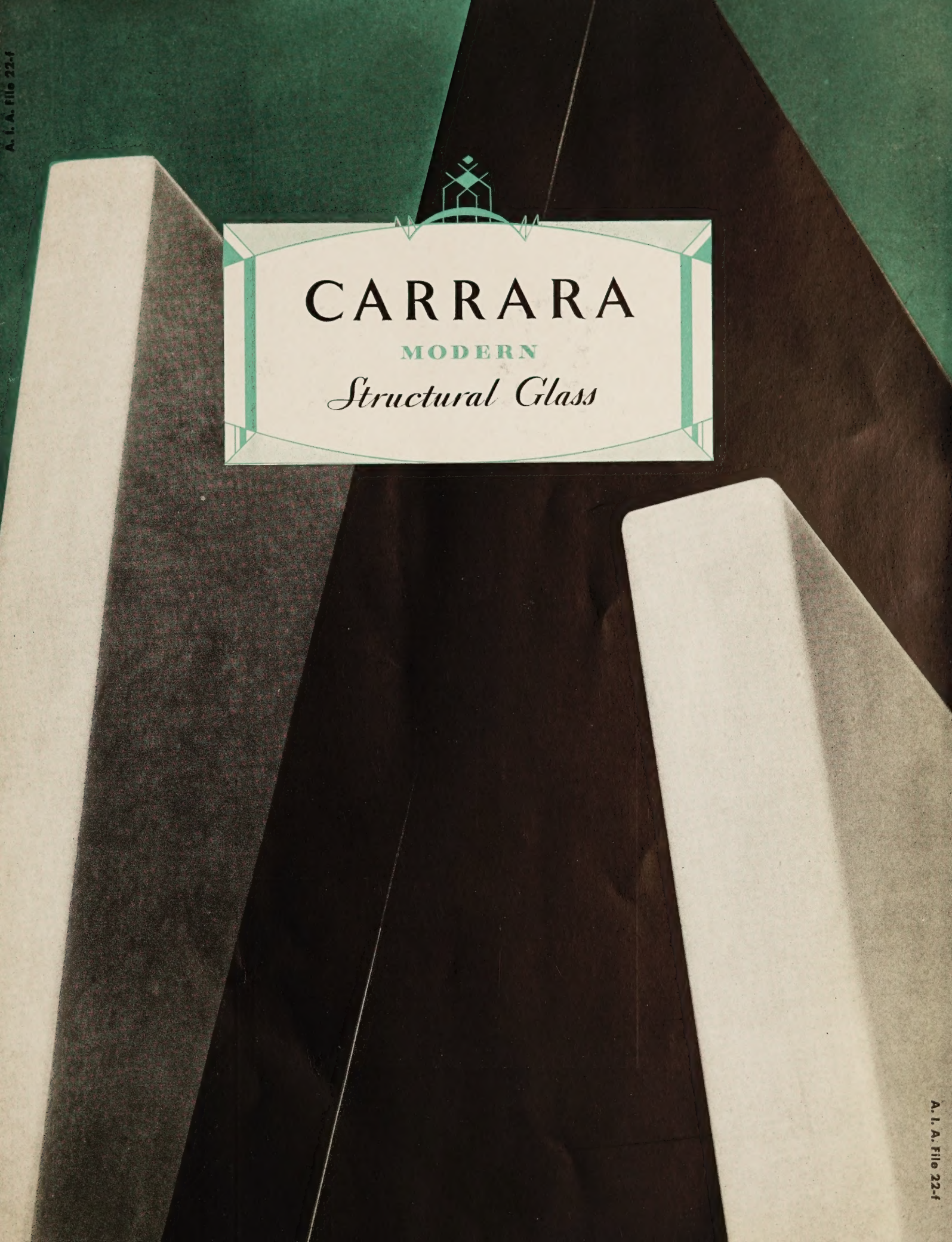
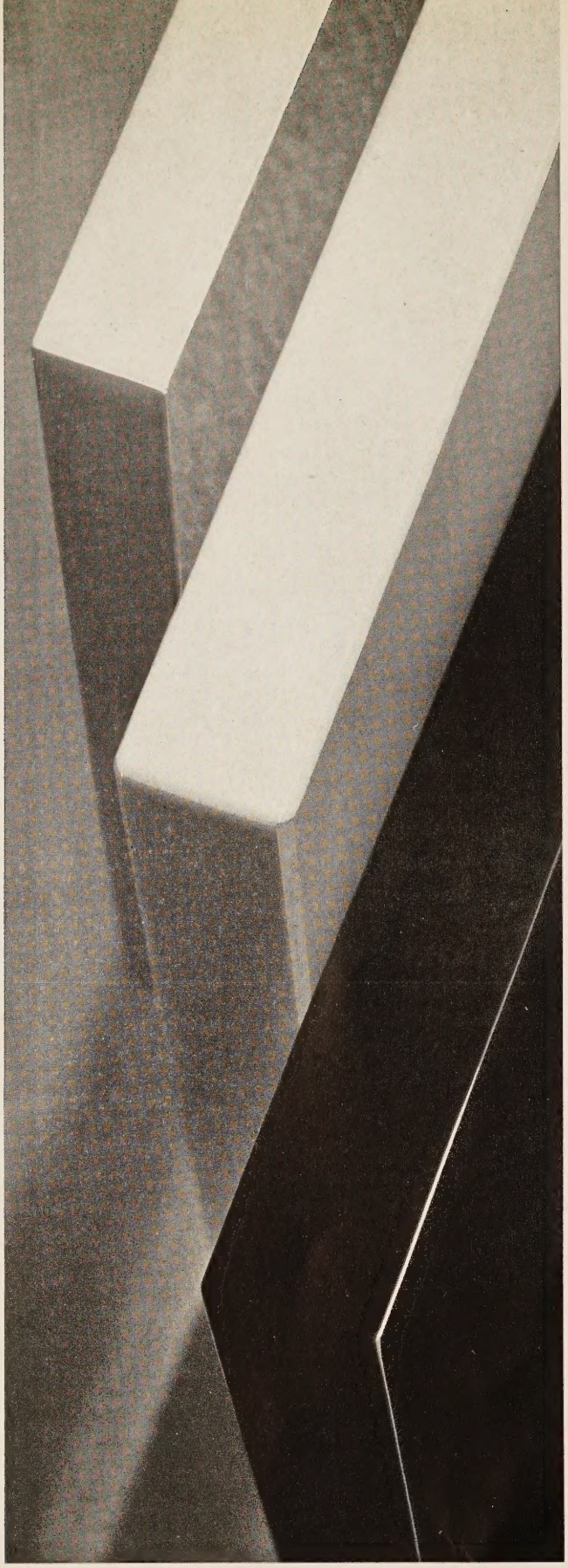
A. I. A. File 22-f



A. I. A. File 22-f



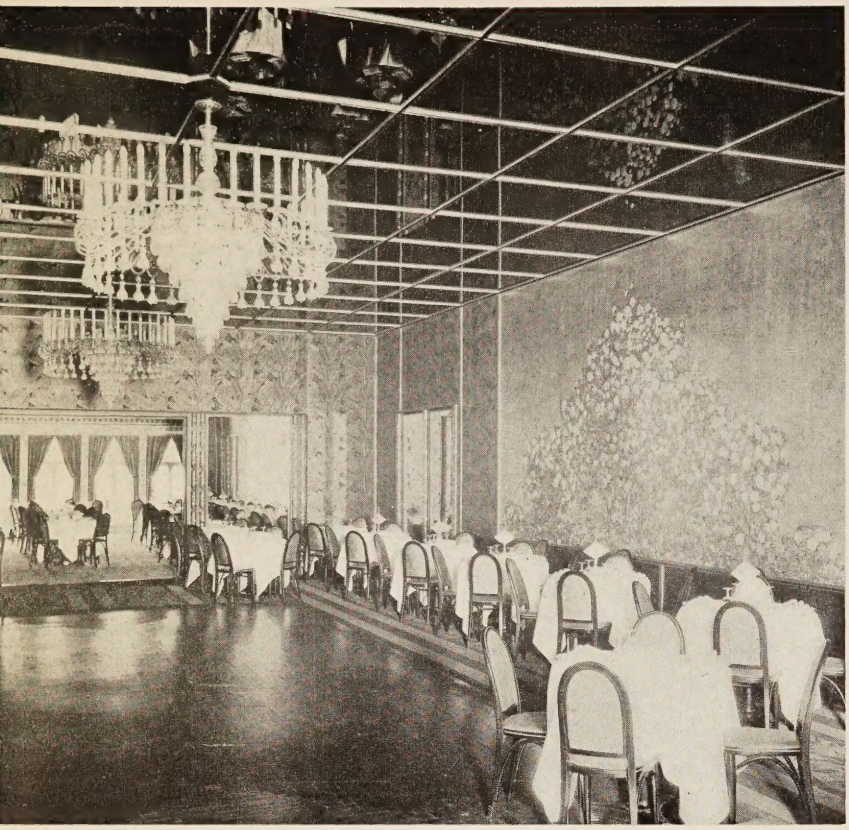
Carrara is made in three types—Polished White Carrara, Polished Black Carrara, and Frostex, which is white with a slightly rippled surface.

The restrained elegance, the sharp contrast of white with black, the brilliant highlights and softened shadows—these effects which bespeak Modernism demand just such a medium as Carrara . . . Carrara —with its purity of white and black—its mirror-like, polished surfaces, its atmosphere of solidity and permanence. Little wonder that architects and decorators find new uses daily for this structural medium that is so individual in its beauty and structure, yet can be handled as readily as marble —for Carrara is a highly practical material.

PITTSBURGH PLATE GLASS CO.
PITTSBURGH, PA.

The ultra-modern interior of Kaufmann's great store in Pittsburgh utilizes polished Black Carrara for its lofty pillars, topped with interesting indirect lighting devices. JANSSEN & COCKEN, *Architects.*

THE SATISFACTION OF USING CARRARA



For the ceiling in polished black panels which form a setting for his colorful decorations in the Central Park Casino, New York, Joseph Urban chose Black Carrara—as he has also done for other notable interiors.

Carrara is a special type of Structural Glass made in flat slabs. These slabs come in a full range of practical sizes, up to five feet by seven, and are applied like marble.

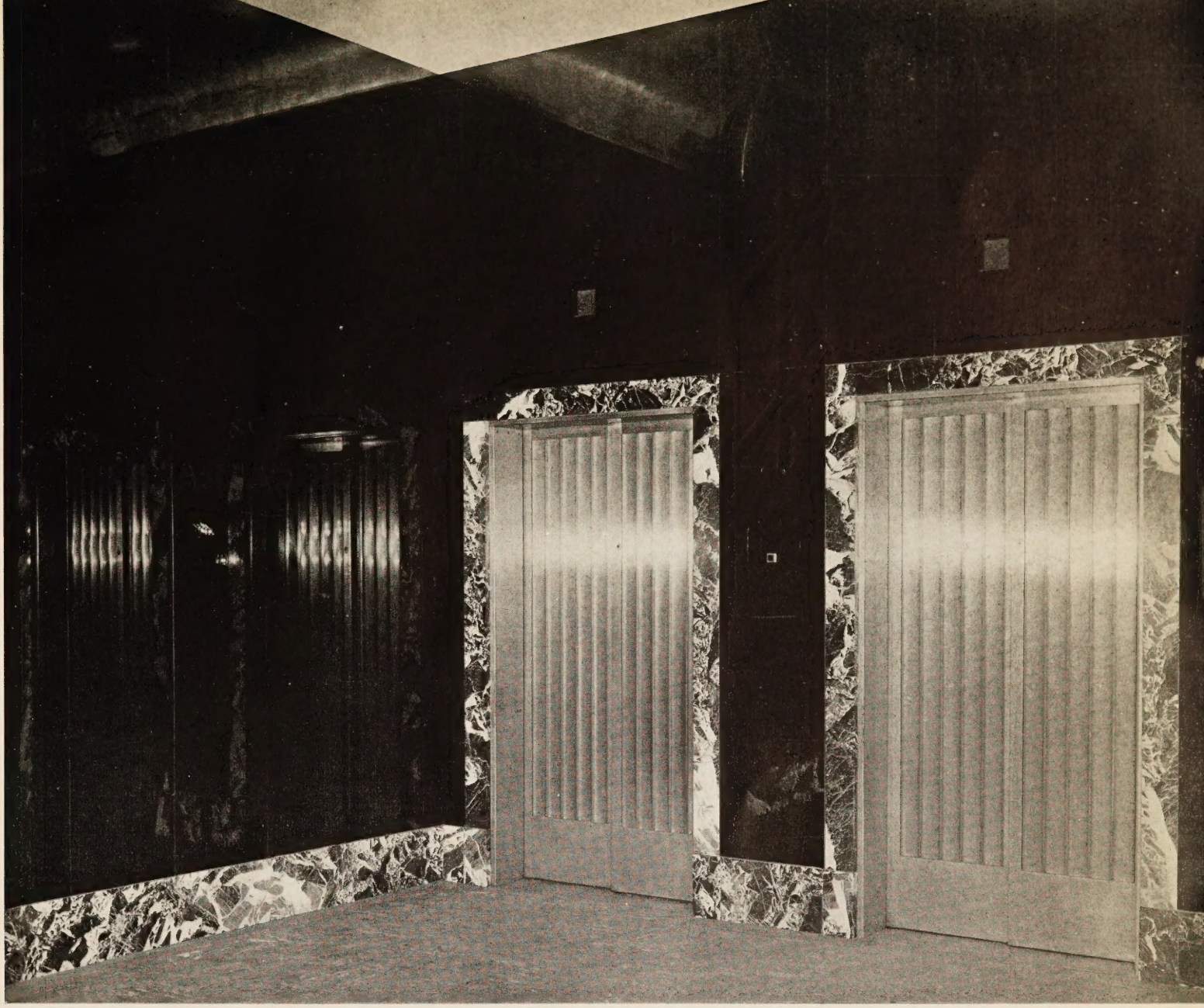
Carrara does not deteriorate. It is not easy to break, nor does it check or "craze". In fact, laboratory tests, as well as actual usage, have proved that Carrara expands less than other types of material to which it might be compared.

Carrara has this very great advantage—it always matches perfectly. The surface and thickness are always uniform—the color, too. Carrara does not lose its polished surface. When Carrara is set, the joints are inconspicuous, there are no uneven planes, and the entire surface is smooth and harmonious.

A HIGHLY IMPORTANT POINT —SANITATION

Carrara is of extremely dense homogeneous structure. This is one of its most valuable qualities. Moisture or liquids cannot penetrate it. And it cannot absorb odors. Salt water, acids or strong chemicals do not affect it. It is impervious to pencil marks. Nor is it easy to deface in other ways.

Its hard, highly polished surface may be kept spotlessly clean with little effort. It saves cleaning work and cleaning expense. No abrasive preparations, powders or chemicals are ever needed for Carrara. This explains its wide and highly satisfying use in toilet rooms, where no other material of like nature has ever equalled Carrara in service.

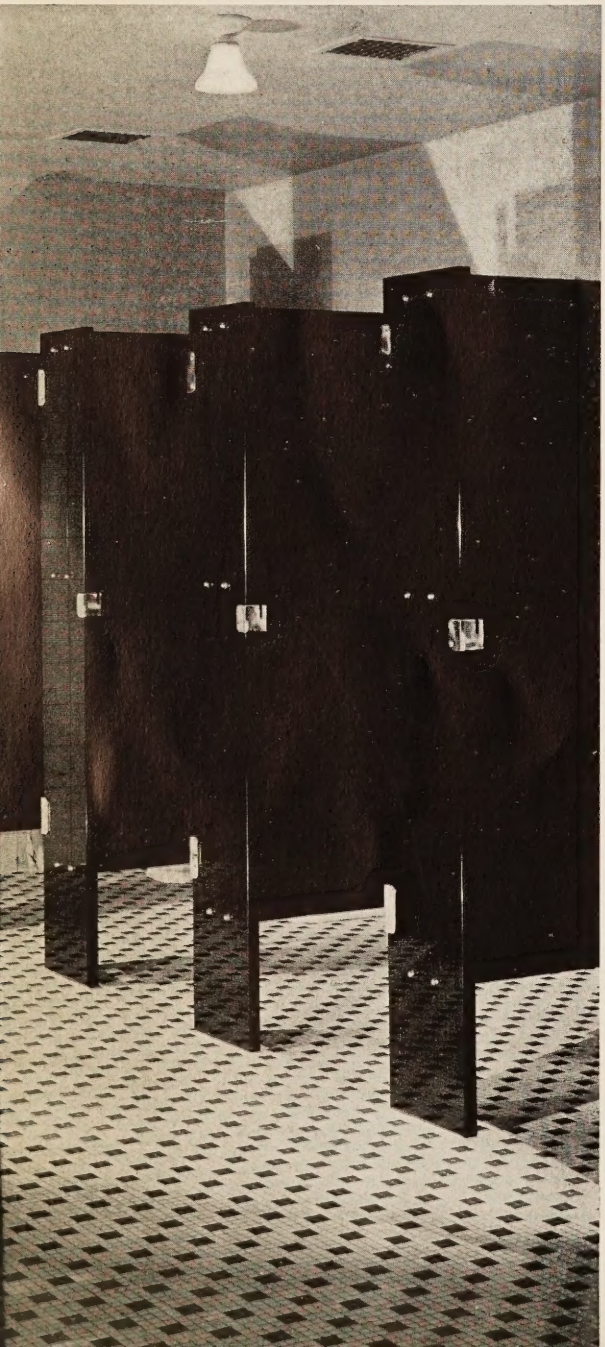


Black Carrara walls in the elevator lobby of the Butterick Building, New York, accentuate the handsome metal doors.

Carrara is capable of great variety in treatment and handling. Its surface may be ground to a velvety texture, if desired. It may be decorated in a number of effective ways —with sand-blasted designs, colors, etc. However, the highest decorative value of Carrara lies in its brilliant mirror finish, which accents, emphasizes and enriches surrounding color effects. And it is largely for this purpose that Carrara is so widely used today. When combined with richly grained marbles or burnished metals the result is strikingly effective and in key with the modern trend.

MADE IN THREE DIFFERENT FINISHES

Black Carrara stiles and partitions in the lavatory of the New York Central Building, New York City.



POLISHED WHITE CARRARA

A pleasing pure white in color, uniform in thickness, free from warps or twists, White Carrara provides a mirror surface of remarkable beauty. Its gleaming finish is obtained by grinding and polishing processes similar to those used in making fine plate glass. This highly polished surface is useful as a reflector of light for interiors that otherwise would seem dim. White Carrara is obtainable with either one side or both sides polished.

Five thicknesses: $^{11}/_{32}$", $^{7}/_{16}$", $^{3}/_{4}$", $^{7}/_{8}$", **1$^{1}/_{4}$"**

POLISHED BLACK CARRARA

Similar in every respect to White Carrara—except color. Black Carrara, with its permanent dense blackness, is unequalled for uses where the design calls for broad, unbroken surfaces to catch and hold every passing light, to enrich and emphasize other colors. Black Carrara also comes with one or both sides polished.

Five thicknesses: $^{11}/_{32}$", $^{7}/_{16}$", $^{3}/_{4}$", $^{7}/_{8}$", **1$^{1}/_{4}$"**

FROSTEX

This is a form of White Carrara whose surface, instead of having a mirror finish, is slightly rippled, producing a soft sheen or luster. But it is free from the distorted reflections seen in ordinary fire-finished materials. With walls of Frostex a room takes on a soft, gentle glow, without glare. Frostex is often contrasted with cap, base, stiles and other trim of Black Carrara. Or a very harmonious effect is obtained when these members are of White Carrara, whose polished surface accentuates the rippled texture of Frostex. Frostex is made in white only.

Three thicknesses: $^{3}/_{8}$", $^{1}/_{2}$", $^{13}/_{16}$".

LAMINATED FROSTEX

The regular grades of Frostex are finished on one side only. For sheets thicker than $^{13}/_{16}$" or sheets finished on both sides—toilet partitions, for instance—Laminated Frostex is generally used. This consists of two sheets of regular thickness Frostex joined securely together, forming a slab remarkable for strength, elasticity and conservative cost. The laminating process is done at the factory, with special equipment that produces permanent, uniform, durable results.

Six thicknesses: from $^{3}/_{4}$" to $1^{5}/_{8}$".

WEIGHT OF CARRARA PER SQUARE FOOT

$^{3}/_{8}$"— 5.13 lbs.	$^{3}/_{4}$"—10.25 lbs.	1" —13.68 lbs.
$^{1}/_{2}$"— 6.84 lbs.	$^{13}/_{16}$"—11.12 lbs.	1$^{1}/_{4}$"—17.10 lbs.

The brilliant surface of White Carrara lightens these hallways that would otherwise be dark with shadows.

ITS USES—ENDLESS!

The modern Hotel, Restaurant, Cafeteria, Store, Theatre and Soda Fountain, wherever beauty, permanence and sanitary value are desirable, offer numberless opportunities of using Carrara. For Churches, Clubs, Libraries, Public Comfort Stations, Barber Shops, Beauty Shops, Laboratories, Dairies, Bakeries, Confectioners'—there are endless uses for this sanitary, permanent structural material.

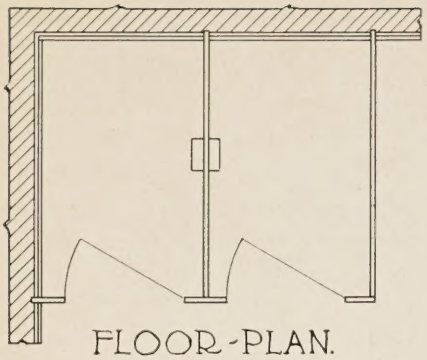
Wainscoting	Switch Boards
Bases	Shelves
Bulkheads	Table Tops
Ceilings	Deal Plates
Store Fronts	Laboratory Equipment
Shower Compartments	Refrigerator Linings
Toilet Compartments	Bread Oven Covering
Counters	Scale Tops or Platforms
Bank Desks	Window Stools

And countless others

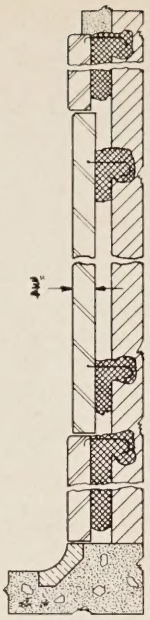
TYPE and THICKNESS of CARRARA RECOMMENDED FOR VARIOUS MEMBERS

Wainscot, Panel	3/4"	Lintel	1 1/4"
Partitions	7/8"	Cap	3/4"
Partitions Laminated Frostex	3/4"	Door & Window Trim	7/8"
Wainscot, Ashlar	11/32"	Stiles	1 1/4"
Counter Tops	1 1/4"	Ceiling	11/32"
Bulkheads	3/4"	Shower Seat	1 1/4"
Base	3/4"	Deal Plates	7/8"

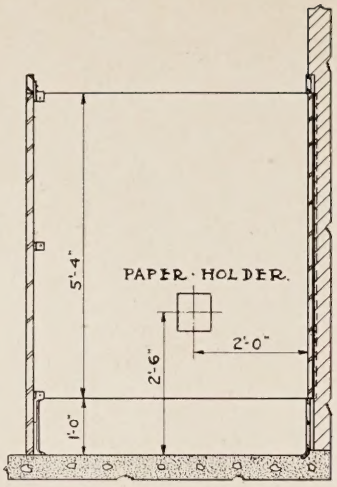
A desk top of polished Black Carrara in a branch of the Manufacturers' Trust Company, Hotel New Yorker.



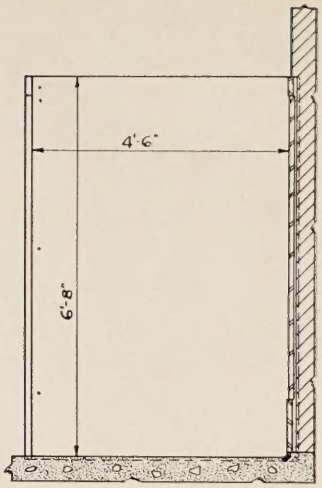
FLOOR-PLAN.
SCALE-¼"=1'-0"



SECTION-THRU WAINSCOT.
SCALE-1½"=1'-0"



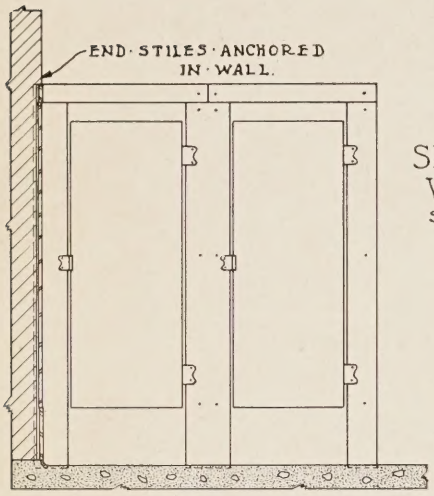
ELEVATION of DIVIDING-PARTITION.



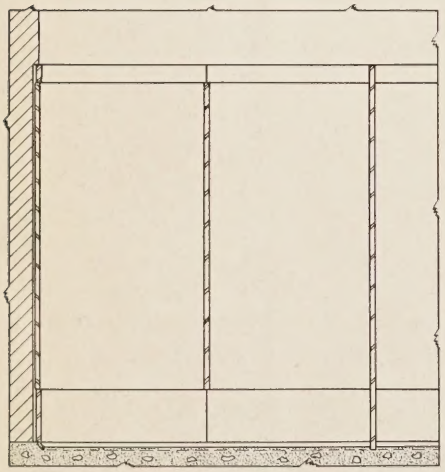
ELEVATION of END-PARTITION.

SCALE-¼"=1'-0"

SEE SECOND PAGE PRECEDING FOR THICKNESS OF VARIOUS MEMBERS

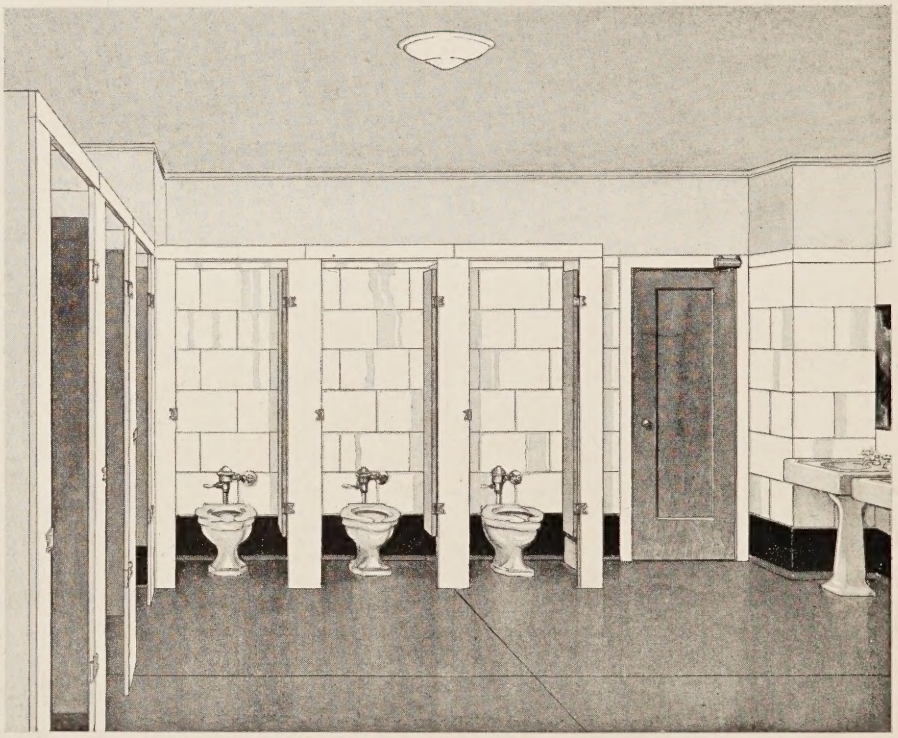


FRONT-ELEVATION.
DOORS-MAY-BE-METAL-OR-WOOD.
USUAL-WIDTH – 2'-0" OR 2'-2"



REAR-ELEVATION.
IN-COMPARTMENTS-TOP-OF-BASE IS-USUALLY 12" ABOVE FLOOR-TO-SUPPORT-REAR-END-OF-PARTITION.

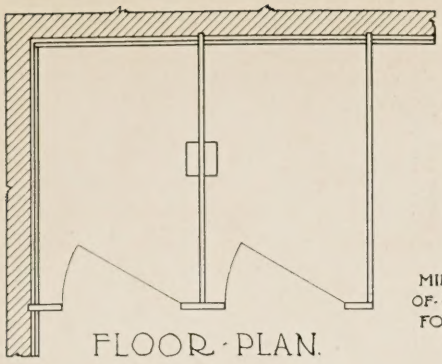
CRITERION TYPE



THIS HIGHLY PRACTICAL APPLICATION OF WHITE CARRARA AND FROSTEX SHOWS THE CONSTRUCTION THAT IS OBTAINED BY USE OF OVERHEAD LINTELS.

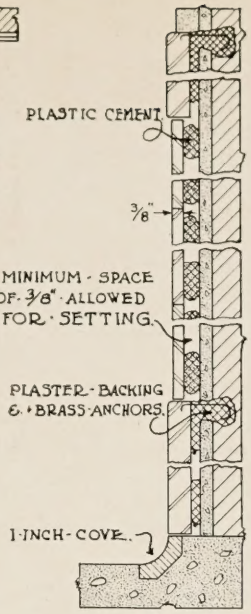
PRACTICAL DETAILS TO HELP YOU WHEN DESIGNING LAVATORIES

This toilet room design, as well as the one shown on the opposite page, is developed in stock sizes, or sizes economical to fabricate. The application is highly practical and every possible saving has been considered.



FLOOR - PLAN.

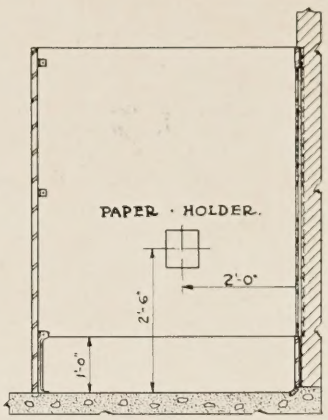
SCALE - ¼" = 1'-0"



SECTION - THRU WAINSCOT.

SCALE - 1½" = 1'-0"

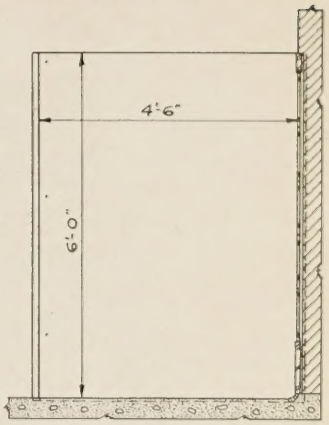
PARTITIONS - ARE - ANCHORED - IN - WALL.



ELEVATION of DIVIDING - PARTITION.

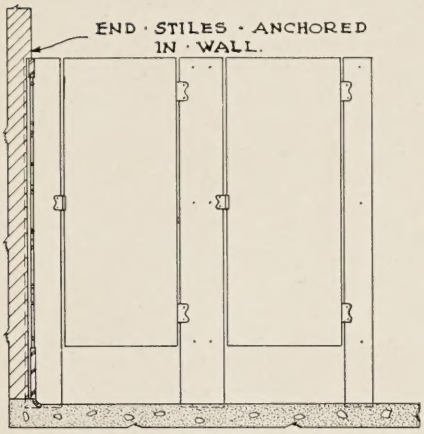
SHOWING - HOW - PARTITION - IS - JOINED TO - STILE - AND - SUPPORTED - ON - METAL HALF - LEG - WHICH - IS - BOLTED - TO - STILE.

SCALE - ¼" = 1'-0"



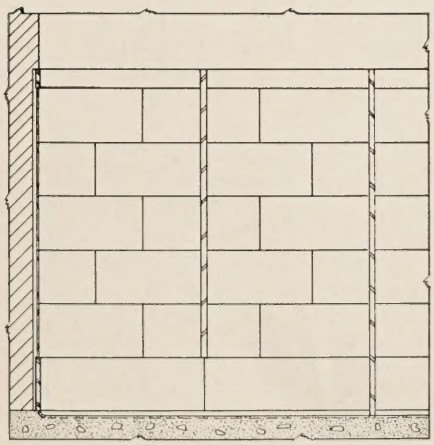
ELEVATION - OF END - PARTITION

END - PARTITION - AND - STILES ARE - SET - INTO - FLOOR - 3/8"



FRONT - ELEVATION.

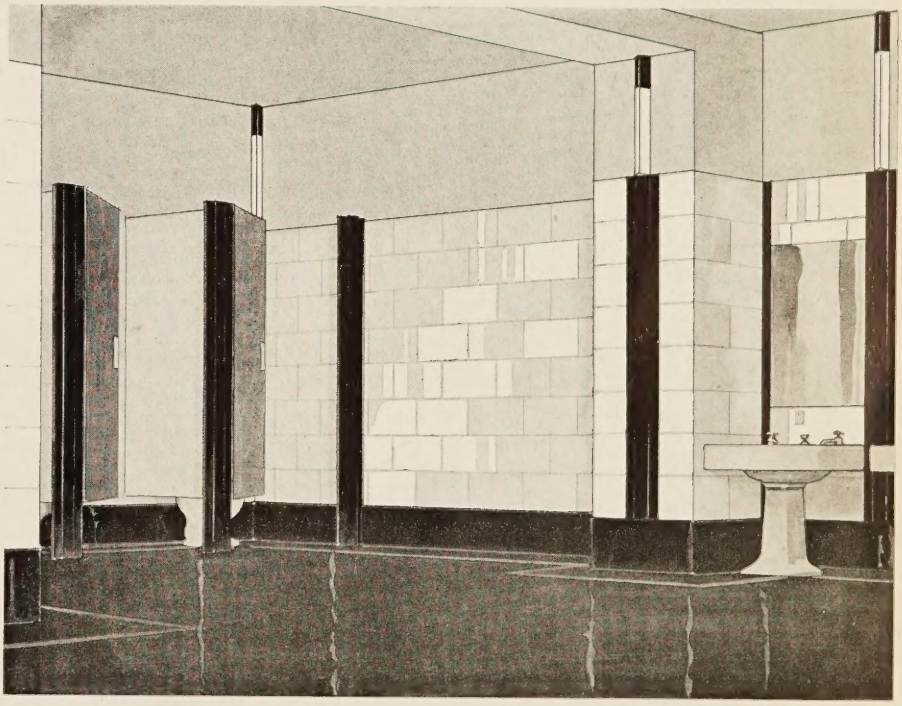
WIDTHS - OF - COMPARTMENTS & STILES MAY VARY - ACCORDING - TO - REQUIREMENTS. ~ MINIMUM - WIDTH - FOR - END - STILES - 3", FOR - CENTER - STILES - 6".



REAR - ELEVATION.

SHOWING - ASHLAR - CONSTRUCTION - ON WALL, STANDARD - SIZES - OF - ASHLAR ARE - 8"X16" - 10"X20" AND 12"X24".

METROPOLITAN TYPE



AN INTERESTING ILLUSTRATION OF A VERY PRACTICAL TOILET ROOM EXECUTED IN THE MODERN MANNER WITH BLACK AND WHITE CARRARA, AND USING METROPOLITAN TYPE ENCLOSURE

THIS PAGE SHOWS FROSTEX COMBINED WITH POLISHED BLACK CARRARA

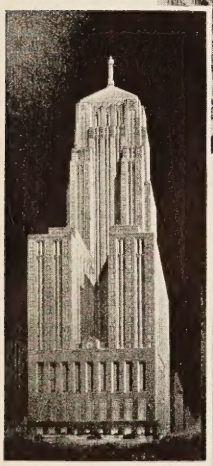
The proportions indicated have met with favor in many actual installations. It is customary, for instance, to wainscot up to the height of the toilet compartments. Carrara, however, permits of endless variation in application.

NOTABLE BUILDINGS WHICH HAVE INSTALLATIONS OF CARRARA

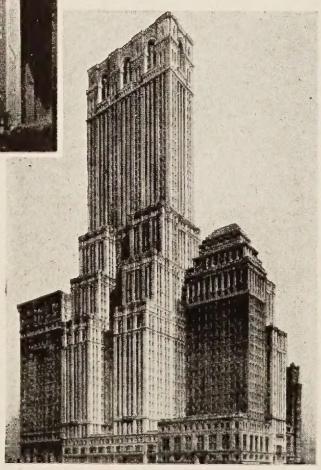
NEW YORK LIFE INSURANCE BUILDING
New York

BANK OF MANHATTAN BUILDING
New York

NEW YORK CENTRAL BUILDING
New York



BOARD OF TRADE BUILDING
Chicago



LINCOLN BUILDING
New York

Location	*Building*	*Architect*	*Contractor*
Albany, N.Y.	STATE OFFICE BLDG.	N. Y. State Architect	Seglin-Harrison Const. Co.
Atlantic City, N. J.	AMBASSADOR HOTEL ANNEX	Warren & Wetmore	Thompson-Starrett Co.
Boston, Mass.	FIRST NATIONAL BANK	York & Sawyer	Stone & Webster
Boston, Mass.	75 FEDERAL ST.	Thomas M. James Co.	Thompson-Starrett Co.
Boston, Mass.	JOHN HANCOCK BLDG.	Parker, Thomas & Rice	L. P. Soule & Son Co.
Brooklyn, N.Y.	ALBEE THEATRE	Thomas W. Lamb	
Buffalo, N. Y.	D. L. & W. TERMINAL	Kenneth M. Murchison	Hedden Construction Co.
Buffalo, N. Y.	N. Y. CENTRAL PASS. STA.	Fellheimer & Wagner	Walsh Const. Co.
Chicago, Ill.	BOARD OF TRADE	Holabird & Root	Hegeman-Harris Co., Inc.
Chicago, Ill.	PALMER HOUSE	Holabird & Root	Thompson-Starrett Co.
Chicago, Ill.	STATE-WASHINGTON	W. W. Ahlschlager	Starrett Bldg. Co.
Chicago, Ill.	TRIBUNE TOWER	John M. Howells & Raymond M. Hood	Hegeman-Harris Co., Inc.
Cincinnati, O.	DIXIE TERMINAL	Garber & Woodward	Interurban R. R.
Cincinnati, O.	UNION CENTRAL LIFE BLDG.	Cass Gilbert	Thompson-Starrett Co.
Detroit, Mich.	CADILLAC ADMIN. BLDG.	Albert Kahn, Inc.	Blair Construction Co.
Detroit, Mich.	DETROIT PUBLIC LIBRARY	Cass Gilbert	George A. Fuller Co.
Detroit, Mich.	FISHER GARAGE BLDG.	Albert Kahn, Inc.	H. G. Christman-Burke Co.
Detroit, Mich.	NURSES' HOME & FORD HOSPITAL	Albert Kahn, Inc.	Otto Misch Co.
Detroit, Mich.	S. S. KRESGE ADMIN. BLDG.	Albert Kahn, Inc.	Bryant & Detwiler Co.
Erie, Pa.	ERIE PASSENGER Station	Fellheimer & Wagner	Walsh Construction Co.
Harrisburg, Pa.	STATE OFFICE BLDG.	Gehron & Ross	Nelson-Pedley Const. Co.
Jamaica, N. Y.	VALENCIA THEATRE	John Eberson	Thompson-Starrett Co.
Johnstown, Pa.	WM. A. COCHRAN SCHOOL	J. E. Adams	Gilpatrick-Dawson Co.
Kansas City, Mo.	CHILDREN'S MERCY HOSPITAL	Wight & Wight	George A. Fuller Co.
Kansas City, Mo.	KANSAS CITY CLUB	Holabird & Roche	Westlake Construction Co.
Newark, N. J.	PRUDENTIAL BLDG.	Cass Gilbert	Thompson-Starrett Co.
New York City	BANK OF MANHATTAN	H. Craig Severance Inc. Yasuo Matsui Associate	Starrett Bros., Inc.
New York City	BOWERY BANK	York & Sawyer	Chas. T. Wills, Inc.
New YorkCity	BUTTERICK BLDG.	Russell G. Cory	Cornelius Callaghan
New York City	1 CEDAR STREET	Clinton & Russell	Shroder & Koppel, Inc.
New York City	CHANIN TOWER	Sloan & Robertson	Comb. Operating Corp.
New York City	COMMODORE HOTEL	Warren & Wetmore	George A. Fuller Co.
New York City	CONSOLIDATED GAS BLDG.	T. E. Murray, Inc.	Kenn-Well Cont. Co.
New York City	DAILY NEWS	Howells & Hood and Lockwood, Greene Eng., Inc.	Hegeman-Harris, Inc.
New York City	GRAND CENTRAL TERMINAL	Warren & Wetmore	
New York City	J. P. MORGAN & CO. BUILDING	Trowbridge & Livingston	Marc Eidlitz & Son
New York City	LINCOLN BLDG.	J. E. R. Carpenter	D. P. Robinson & Co.
New York City	MERCANTILE BLDG.	Sugarman & Berger	J. E. Gilbert, Inc.
New York City	N. Y. CENTRAL BLDG.	Warren & Wetmore	James Stewart & Co.
New York City	NEW YORK LIFE	Cass Gilbert	Starrett Bros., Inc.
New York City	ROXY THEATRE	W. W. Ahlschlager	Chanin Const. Co.
New York City	SALMON TOWER	York & Sawyer	C. T. Wills, Inc.
New York City	SQUIBB BLDG.	Buchman & Kahn	Shroder & Koppel, Inc.
New York City	THE NEW YORKER	Sugarman & Berger	Mack Kanner, Inc.
Philadelphia, Pa.	PENN MUTUAL LIFE INSURANCE BLDG.	John T. Windrim	Doyle & Company
Philadelphia, Pa.	WIDENER BLDG.	Horace Trumbauer	George A. Fuller & Co.
Pittsburgh, Pa.	GRANT BLDG.	H. Hornbostel, Eric Fisher Wood & Co. —Associate	Thompson-Starrett Co.
Pittsburgh, Pa.	KAUFMANN'S STORE NEW INTERIOR	Janssen & Cocken	Mellon-Stuart Co.
Pittsburgh, Pa.	MELLON BANK	Trowbridge & Livingston E. P. Mellon	Mellon-Stuart Co.
Pittsburgh, Pa.	UNION TRUST BUILDING	J. F. Osterling	George A. Fuller Co.
Providence, R. I.	RHODE ISLAND HOSPITAL TRUST CO.	York & Sawyer	George A. Fuller Co.
Washington, D. C.	U. S. CHAMBER OF COMMERCE	Cass Gilbert	James Stewart & Co.

HELPFUL DATA ON INSTALLING CARRARA

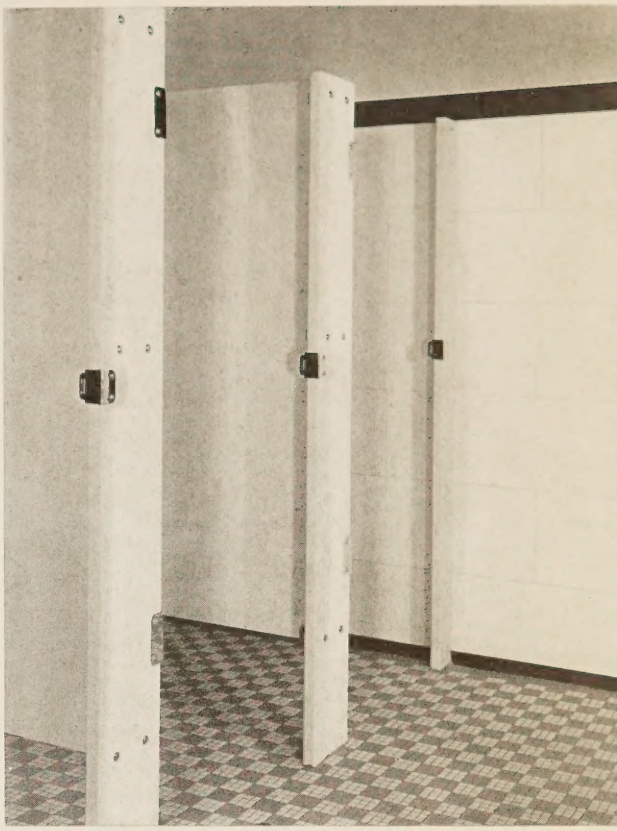
Carrara is easy to install. It is handled similarly to marble. To insure installations being made according to our standards, we maintain our crews of experienced marble setters.

Carrara may be installed over any wall surface, but an allowance should be made of 1⅛″ to 1½″ from the face of the glass to the wall to provide space for setting, 1⅛″ for ashlar and 1½″ for panels.

In the case of ashlar wall treatment, where small pieces are used, we recommend setting with our plastic cement, which bonds permanently with the glass and the wall—yet allows for settling, shrinkage and expansion.

We provide all hardware necessary for the erection of our material and will have the slabs drilled for any hardware or fixtures which we do not supply, such as hinges, strikes, etc., provided we are furnished their location and dimensions, so that the drilling may be done at the factory.

Experience has proved our type of construction for toilet enclosures to be the most durable and satisfactory. The partitions are firmly anchored in the wall and at the front are through bolted to the stiles by means of nickel or chromium plated angles. In the case of division partitions, the weight is not borne by the stile, but by a metal half-leg as illustrated on Page 8.



Frostex walls, white Carrara stiles and partitions

SUGGESTED SPECIFICATIONS

Structural Glass:

This contractor is to furnish all labor, material, equipment and service necessary for properly installing all Structural Glass as indicated on the drawings.

Contractor shall verify all dimensions at building, prepare shop drawings and furnish the architect with three sets of prints for approval. Doors, equipment and all hardware not necessary for erection of Structural Glass will be furnished and installed by other contractors.

Other contractors will prepare walls, furnish and set wood grounds—also wood blocks for fixtures.

All Structural Glass shall be Carrara as made by the Pittsburgh Plate Glass Company of size and thickness indicated on the drawings. Finish of face side to be either polished or FROSTEX as indicated, and all exposed edges polished.

The polished finish will be obtained by grinding the surface until a true plane is produced and then mechanically polishing it to a high lustre. Installation will be made according to the best standard erection practice and to the satisfaction of the architect.

All pieces shall be set plumb and true and with even flush joints which shall be filled with an approved type of pointing compound.

This contractor shall do all cutting and drilling of Carrara for other contractors provided they furnish him with accurate layouts so that it may be done at the factory.

At the completion of his work, this contractor shall remove all rubbish and carefully clean the Carrara and leave it in a satisfactory condition.

CARRARA

Modern Structural Glass

may be readily obtained through warehouses of the Pittsburgh Plate Glass Company located in

AKRON, OHIO
ALBANY, N. Y.
ALLENTOWN, PA.
AMARILLO, TEXAS
ATLANTA, GA.
BALTIMORE, MD.
BIRMINGHAM, ALA.
BOSTON, MASS.
BROOKLYN, N. Y.
BUFFALO, N. Y.
CHARLOTTE, N. C.
CHICAGO, ILL.
CINCINNATI, OHIO
CLEVELAND, OHIO
COLUMBUS, OHIO
DALLAS, TEXAS
DAVENPORT, IOWA
DENVER, COLO.
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